

RESOURCE SWITCHING

I HAVE A 20,000 PIN PROBE CARD SO I
NEED 20,000 TEST CHANNELS ON MY
METROLOGY TOOL.. RIGHT?

NO

- IN A TYPICAL 300mm PROBE CARD APPLICATION AS MANY AS 50% OR MORE OF THE PROBES WILL BE 'BUSSED' PROBES - POWERS AND GNDs
- 6,000 TO 8,000 TEST CHANNELS IS SUFFICIENT FOR NOW
- 10 - 12,000 WILL BE NEEDED VERY SOON

RESOURCE SWITCHING

TYPICALLY THE TEST SYSTEM WILL NOT HAVE ENOUGH TEST CHANNELS TO TEST THE WHOLE WAFER IN ONE HIT

TO OVERCOME THIS, BUT STILL ONLY DO ONE TOUCHDOWN THE PROBE CARD CAN HAVE HUNDREDS OR POTENTIALLY THOUSANDS OF SWITCHES ON IT

SO, I HAVE A 20,000 PIN PROBE CARD WITH 800 SWITCHES

THE SWITCHES WILL ALWAYS BE DRIVEN FROM THE SAME EDGE ON THE PROBE CARD... RIGHT?